



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

FORM OGC-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR D.E.Exploration, Inc.		DATE 03/05/99	
ADDRESS PO Box 128	CITY Wellsville,	STATE KS	ZIP CODE 66092

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE Clark-Berry	WELL NUMBER CB-3A	ELEVATION (GROUND)
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE) 2475 FT. FROM (N) SECTION LINE 2035 FEET FROM (E) SECTION LINE		
WELL LOCATION SECTION SE 1/4 16	TOWNSHIP 46N	RANGE 33W
COUNTY Cass		
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 2475 FEET		
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 220 FEET		
PROPOSED DEPTH 700'	DRILLING CONTRACTOR, NAME AND ADDRESS Hughes Drilling	ROTARY OR CABLE TOOLS Rotary
		APPROX. DATE WORK WILL START 03/09/99
NUMBER OF ACRES IN LEASE	NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 3	
	NUMBER OF ABANDONED WELLS ON LEASE 0	

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NAME Western Engineering / David Stallings ADDRESS Rt. 1 Hwy 58 Belton, MO		NO. OF WELLS: PRODUCING 2 INJECTION 0 INACTIVE 0 ABANDONED 0
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STATUS OF BOND	<input type="checkbox"/> SINGLE WELL AMOUNT \$	<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 20,000.00	<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED
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REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.)

PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
700	4 1/2	650	115scks	11	11	11	11

I, the undersigned, state that I am the President of the D.E. Exploration, Inc. (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE <i>Douglas O. Evans</i> President	DATE 3-5-99
PERMIT NUMBER 20667	<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED <input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN
APPROVAL DATE 3/8/99	<input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN <input checked="" type="checkbox"/> DRILL STEM TEST INFO REQUIRED IF RUN
APPROVED BY <i>James H. Williams</i>	<input type="checkbox"/> SAMPLES REQUIRED RECEIVED
	<input checked="" type="checkbox"/> SAMPLES NOT REQUIRED MAR 12 1999
	<input type="checkbox"/> WATER SAMPLES REQUIRED AT

NOTE ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION **MO Oil & Gas Council**

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.

I _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE	DATE
---------------------	------

I Carl C. Hughes of the Hughes Drilling

Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized Council representative.

DRILLER'S SIGNATURE

DATE

Carl C. Hughes

3/8/99

1999



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

FORM OGC-4

OWNER

LEASE NAME D.E. Exploration, Inc.

COUNTY

Clark-Berry

Cass

2255 FEET FROM S SECTION LINE AND 2035 FEET FROM E SECTION LINE OF SEC. 16, TWP. 46N, RANGE 33W
(N) - (S) (E) - (W)



SCALE

1 square= 330'

CB-3A
CB-I1

I believe should
be
2035 'FEL
Verified by Kim

REMARKS

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

RECEIVED

MAR 12 1999

MO Oil & Gas Council (SEAL)

REMIT TWO (2) COPIES TO:
MISSOURI OIL AND GAS COUNCIL
P.O. BOX 250, ROLLA, MO 65401

REGISTERED LAND SURVEYOR

NUMBER



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☒ OIL ☐ GAS ☐ DRY

OWNER D.E. Exploration, Inc.	ADDRESS PO Box 128 618 Main
LEASE NAME Clark-Beery	WELL NUMBER CB3-A

LOCATION 2475 S. Section line 2035 E. Sec. line	SEC. TWP. AND RANGE OR BLOCK AND SURVEY SE $\frac{1}{4}$ S.16 T 46 R 33W
--	---

COUNTY Cass	PERMIT NUMBER (OGC-3 OR OGC-31) 20667
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DATE SPUNDED 03/25/99	DATE TOTAL DEPTH REACHED 03/30/99	DATE COMPLETED READY TO PRODUCE OR INJECT 5/11/99	ELEVATION (DF, RKR, RT, OR Gr.) FEET	ELEVATION OF CASING HD. FLANGE FEET
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TOTAL DEPTH 632	PLUG BACK TOTAL DEPTH N/A
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PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION producing	ROTARY TOOLS USED (INTERVAL) top to bottom DRILLING FLUID USED fresh water	CABLE TOOLS USED (INTERVAL) n?a
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WAS THIS WELL DIRECTIONALLY DRILLED? No	WAS DIRECTIONAL SURVEY MADE? No	WAS COPY OF DIRECTIONAL SURVEY FILED? No	DATE FILED N/A
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TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) Gamma Ray	DATE FILED 04/01/99
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CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
surface	12 3/4"	7"		42.40	5 sks	
production	6 1/4	4 1/2"		625.40		

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
7 IN.	42.40 FEET	NA FEET	NA INCH	NA FEET	NA FEET	NA	NA

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	3 1/8	546-550	20/40 Frac Sand	

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION June 1, 1999	PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) pumping 1 1/2 -Standard pump
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DATE OF TEST NA	HOURS TESTED NA	CHOKE SIZE NA	OIL PRODUCED DURING TEST NA bbls.	GAS PRODUCED DURING TEST NA MCF	WATER PRODUCED DURING TEST NA bbls.	OIL GRAVITY Na API (CORR.)
TUBING PRESSURE 50#	CASING PRESSURE 50#	CALC'D RATE OF PRODUCTION PER 24 HOURS 6 bbl	OIL 3 bbls.	GAS MCF	WATER 3 bbls.	GAS OIL RATIO

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)
held in with pressure valve.

METHOD OF DISPOSAL OF MUD PIT CONTENTS
Air dried and back filled

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE President OF THE D.E. Exploration, Inc. COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE 7-29-99	SIGNATURE <i>Douglas E. ...</i>
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JUL 30 1999

CONTRACTOR

3/25/99-3/30/99

OPERATOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

D.E. Exploration, Inc.
P. O. Box 128
Wellsville, KS 66092

LOG

Clark-Berry
Well #CB-3A
Cass Co., Missouri

API #

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STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2	1	Lime	332
7	Clay	9	43	SHale	375
34	Lime	43		(White 332-337)	
30	Shale	73		(Slate 374-375)	
10	Lime	83	6	White Shale	381
2	Shale	85	28	Shale	409
8	Red Bed	93		(Brk. 392-394)	
7	Shale	100	5	Lime	414
4	Lime(Oil trace)	104	2	Shale	416
14	Shale	118	1	Lime	417
	(Slate 104-105)		13	Shale	430
3	Lime	121		(Slate 424-425)	
12	Shale	133	9	Lime	439
	(Sdy. 124-128)		5	Shale	444
7	Gray Sand	140	3	Lt. Brown Sand	447
2	Shale	142	9	SHale	456
2	Sdy. Lime	144	2	Lime	458
3	Shale(Sdy.)	147	3	Shale	461
7	Lime	154	5	Lime	466
11	Shale	165		(Brown, Hard)	
22	Lime 30'	187	35	Shale (Dark)	501
	(Shale 167-168)		5	Shale	506
8	Shale	195	1	Lime	507
	(Slate 187-188)		18	Shale	525
18	Lime 20'	213	4	Lt. Brown Sand	529
2	Shale	215		(Lamin. w/shale)	
	(Slate 213-214)			(rainbow)	
3	Lime	218	1	Sdy. Lime	530
3	Shale	221	2.5	Brown Sand	532.5
6	Lime "HERTHA"	227	1	Shale	533.5
43	Shale	270	1	Sand	534.5
	(Brk. 229-233)		12.5	Sdy. Lime	547
	(Sdy. 250-257)		3	Sand	550
4	Gray S and	274	2	Sdy. Shale	552
	("KNOBTOWN")		11	Shale	563
57	Shale	331			

CONTRACTOROPERATOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

LOG
Clark-Berry
Well #CB-3A
cont.

API #

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
1	Sdy. Lime	564			
3	Shale	567			
1	Sdy. Lime	568			
15	Shale	583			
2	Sdy. Lime	585			
3	Shale	588			
3	Sand	591			
5	Sdy. Lime	596			
8	Sand	604			
6	Shale	610			
2	Sand	612			
20	Shale	632 T.D.			

3/25/99-3/30/99

Drilled 632' of hole (6½")

3/25/99

Set 42.40' of 7" surface pipe.
Cemented in with 5 sacks cement.

3/29/99

Cored "SQUIRREL ZONE"
3 cores.

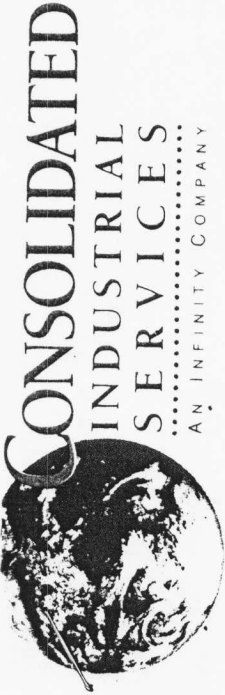
3/30/99

Set 625.40' of 4½" pipe.
Used 3 centralizers.
Float shoe on bottom

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MO Oil & Gas Council



211 W. 14th, P.O. Box 884 Chanute, KS 66720 • 316/431-9210 • 1-800/467-8676

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MO Oil & Gas Council

INVOICE DATE	INVOICE NO.
05/12/99	00163764

REMIT TO: CONSOLIDATED IND. SERVICES
P.O. BOX 26147
SHAWNEE MISSION, KS 66225

TERMS: Net 30 Days
A Finance Charge computed at 1% per month (annual percentage rate of 12%) will be added to balances over 30 days.

PLEASE REFER TO THIS ACCOUNT NUMBER WHEN MAKING INQUIRIES

ACCOUNT NO.	P.O. NO.	LOCATION	LEASE AND WELL NO.	DATE OF JOB	JOB TICKET NO.
2355	0032	10	CLARK-BERRY # C83A	05/11/1999	13131
ITEM NUMBER	DESCRIPTION	UNITS	UNIT PRICE	UNIT MEAS	EXTENDED PRICE
5102	MINIMUM PUMP CHARGE 1300 HP UNIT	1.0000	1400.0000	EA	1400.00
11123	CITY WATER	5.5000	10.0000	EA	55.00
5301C	ACID SPOTTER	1.0000	225.0000	EA	225.00
3107	15% HCL	50.0000	.7000	GA	35.00
4139	7/8" RUBBER BALL SEALERS (SP 1.3)	15.0000	1.6500	EA	24.75
1215	KCL SUB	10.0000	23.9500	GA	239.50
1231	FRAC GEL	75.0000	3.4000	LB	255.00
5501	WATER TRANSPORT	5.0000	60.0000	HR	300.00
1101	20/40 FRAC SAND	5.0000	7.7500	SK	38.75
1102	12/20 MESH	25.0000	10.5000	SK	262.50
1109	BULK SAND DELIVERY	1.0000	50.0000	EA	50.00

LOSS INVOICE	TAX	ORIGINAL INVOICE	PLEASE PAY
2885.50	5.10		2890.60

Thank You!

CONSOLIDATED INDUSTRIAL SERVICES, INC.
211 W. 14TH STREET, CHANUTE, KS 66720
316-431-9210 OR 800-467-8676

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TICKET NUMBER 11590

JUL 30 1999
TREATMENT REPORT

MO Oil & Gas Council

LOCATION W. of Belton - D
458-3/4 E - 5. side
FOREMAN Terry Hester

DATE <u>5-11-99</u>	CUSTOMER ACCT # <u>Clark-Berry CB-3A</u>	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY <u>Cass</u>	FORMATION <u>SGU</u>
CHARGE TO <u>D.E. Explor., Inc - % Doug Evans</u>				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR				
STATE				DISTANCE TO LOCATION				
ZIP CODE								
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION				

WELL DATA

HOLE SIZE
TOTAL DEPTH
CASING SIZE <u>4 1/2</u>
CASING DEPTH
CASING WEIGHT
CASING CONDITION
TUBING SIZE
TUBING DEPTH
TUBING WEIGHT
TUBING CONDITION
PACKER DEPTH
PERFORATIONS <u>546-50</u> 546-50 <u>546-50 - 96-600</u>
SHOTS/FT <u>125h</u> <u>125h</u> <u>85h</u>
OPEN HOLE
TREATMENT VIA <u>Casing</u>

TYPE OF TREATMENT

- | | |
|--|---|
| <input type="checkbox"/> SURFACE PIPE | <input type="checkbox"/> ACID BREAKDOWN |
| <input type="checkbox"/> PRODUCTION CASING | <input type="checkbox"/> ACID STIMULATION |
| <input type="checkbox"/> SQUEEZE CEMENT | <input checked="" type="checkbox"/> ACID SPOTTING |
| <input type="checkbox"/> PLUG & ABANDON | <input checked="" type="checkbox"/> FRAC |
| <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> FRAC + NITROGEN |
| <input type="checkbox"/> MISC PUMP | <input type="checkbox"/> FOAM FRAC |
| <input type="checkbox"/> OTHER | <input type="checkbox"/> NITROGEN |

PRESSURE LIMITATIONS

	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Spotted 50 gal 15% HCL - broke down and staged acid - pumped 15 bbl. pad - ran 150" 20/40 get tight - flushed and flowed back to blender - 350" 20/40 - 1,000" 12/20 - 15 balls - 1500" 12/20 - flushed to perfs plus 5 bbl. over

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	<u>1600</u>	psi
FINAL DISPLACEMENT	<u>1400</u>	psi
ANNULUS		psi
MAXIMUM	<u>2000</u>	psi
MINIMUM	<u>1300</u>	psi
AVERAGE		psi
ISIP	<u>150</u>	psi
5 MIN SIP		psi
15 MIN SIP		psi

TREATMENT RATE

BREAKDOWN BPM
INITIAL BPM <u>20</u>
FINAL BPM <u>"</u>
MINIMUM BPM <u>"</u>
MAXIMUM BPM <u>"</u>
AVERAGE BPM <u>"</u>
HYD HHP = RATE X PRESSURE X 40.8

AUTHORIZATION TO PROCEED

DATE

DATE

ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.